

EXHIBIT A

Purpose: Test specificity of Myco Genus probes Mch A 1026, Mch B 1634, & Mch B 1638 against rRNA's of a few possible cross-reacting organisms.

Procedure:

- ① Set up samples + controls in 280 mM PB lysis tubes, L/N 70123
 - a) 2 - 100 μ l LNC, L/N 70224A
 - b) 2 - 100 μ l *Leg. T. rRNA*, L/N 546-576-001
 - c) 2 - 1 μ g *C. xerosis* rRNA, L/N 7064 B
 - d) 2 - 1 μ g *N. asteroides* rRNA, L/N 128-503-001
 - e) 2 - 1 μ g *N. asteroides* rRNA, L/N # 7025
 - f) 2 - 1 μ g *R. bronchialis* rRNA, L/N 616-572-001
- ② Add 1 ml 125 I - probe - Mch A 1026, Mch B 1634, or Mch B 1638
 $\sim 15,000 - 20,000$ cpm/ml (all 125 I) by M. Happe
- ③ Vortex, & add incubate at 72°C for 2 hrs
- ④ Add 4 ml HA sep soln (0.12M PB, 2% HA), L/N 70147 to 16 tubes at a time on bench top.
- ⑤ Invert 80X, & incubate at 72°C for 5 min.
- ⑥ Remove from bath, invert 20X, & spin at 2000 rpm for 2 min.
- ⑦ Decant & blot
- ⑧ Add 4 ml wash (0.12M PB) L/N 70145
- ⑨ Vortex 20 seconds.
- ⑩ Incubate at 72°C for 5 min.
- ⑪ Spin at 2,000 rpm for 2 min, decant, & blot
- ⑫ Count for 2 min

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Read & Understood by me,

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From Page No. 49 Results:

Mch A 1026

RWA	% Uyb	Neg Ratio	Cpm	Total Counts =
Meb Meb	53.7 > 53.6	37.7 > 37.7	9372 > 9353	Feo
Cxe	53.4 > 53.6	37.6	9333	17461 > 17462
Cxe. Nas	1.7 > 1.5	1.2 > 1.1	294 > 255	17463
Not-caw	1.2	0.9	216	
Nas Rbr	1.1 > 1.4	0.8 > 1.0	188 > 236	
	1.6	1.1	284	
Not-caw	1.6 > 1.6	1.1 > 1.1	272 > 267	
	1.5	1.1	262	
Rbr	1.2 > 1.3	0.9 > 1.0	215 > 230	
	1.4	1.0	244	
LUC	1.4		276 > 248	
			221	
Meb	71.3 > 71.6	60.4 > 60.7	10985 > 11032	Mch B 1634
	71.9	60.9	11079	Total counts =
Cxe	1.5 > 1.4	1.2 > 1.2	225 > 211	15380 > 15403
	1.3	1.1	196	
Nas	6.8 > 5.4	5.7 > 4.6	1042 > 827	
	4.0	3.4	612	
Not-caw	6.9 > 7.1	5.8 > 6.0	1060 > 1083	
	7.2	6.1	1105	
Rbr	3.8 > 5.0	3.2 > 4.2	575 > 765	
	6.2	5.2	955	
LUC	18 1.2		184 > 182	
			180	

See Book 678 for Mch B 1638 Results
cont to 678.1

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Witnessed & Understood by me,

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